



# 45W USB 3.1 Type C Adapter

AQ45A/E-59FA-H

- 5V/3A, 9V/3A, 15V/3A
- Type-C Reversible plug-in
- DoE 6, CoC V5 Tier 2
- Work with MacBook & Chromebook



Phihong 45W USB 3.1 Type-C Power Delivery (PD) adapter is an ideal charging solution for mobile devices. The 45W model has 3 output voltages: 5V, 9V & 15V. It works with mobile devices following PD standards, including Chromebook and MacBook. Moreover, with the latest USB 3.1 Type-C receptacle, it allows the USB 3.1 cable either up or down orientation and reversible plug-in. It delivers both low no-load power consumption (<75mW) and high average efficiency (>88.85%) to meet DoE Level 6 and CoC V5 Tier 2 requirements.

## Features :

<b>Efficiency</b>	DoE Level VI and CoC V5 tier 2
<b>No Load Input Power</b>	≤75mW @ 230Vac
<b>Protection</b>	OVP, OCP, SCP, OTP
<b>Isolation</b>	3000Vac, Primary to secondary 10mA, 1 min
<b>Insulation Resistance</b>	>50MΩ @ 500Vdc, Primary to secondary
<b>OCP</b>	<4.5A@5V/9V/12V
<b>OVP</b>	<20V, shutdown mode
<b>OTP</b>	Shutdown mode
<b>Average Efficiency</b>	5V/3A: >81.84%; 9V/3A: >87.30%; 15V/3A: >88.85%
<b>Dimension</b>	67 x 48 x 29 mm
<b>Weight</b>	145g
<b>AC Plug</b>	US

## Electrical Specifications :

<b>Input Voltage</b>	100~240Vac (90~264Vac min/max)
<b>Frequency</b>	50/60Hz Nom (47~63Hz min/max)
<b>Input Current</b>	1.0A (RMS) max @ 90Vac
<b>Output Voltage Range</b>	5V±5%; 9V±5%; 15V±5%
<b>Output Current Range</b>	0~3A
<b>Maximum Output Power</b>	45W
<b>Output Ripple &amp; Noise</b>	200mV pk-pk @ max load
<b>Earth Leakage Current</b>	0.25mA max.
<b>AC Inrush Current</b>	90A max @ 240Vac

## Environmental Specifications :

<b>Operating Temperature</b>	0°C ~ +45°C
<b>Storage Temperature</b>	-40°C ~ +85°C
<b>Humidity, Operation</b>	90% RH Max
<b>Humidity, Storage</b>	90% RH Max
<b>E-cap Life time</b>	>2year @ 25°C, Full load.
<b>Altitude</b>	5000M
<b>MTBF (MIL-217F)</b>	>50K hours @ 240Vac

## Safety and Compliance :



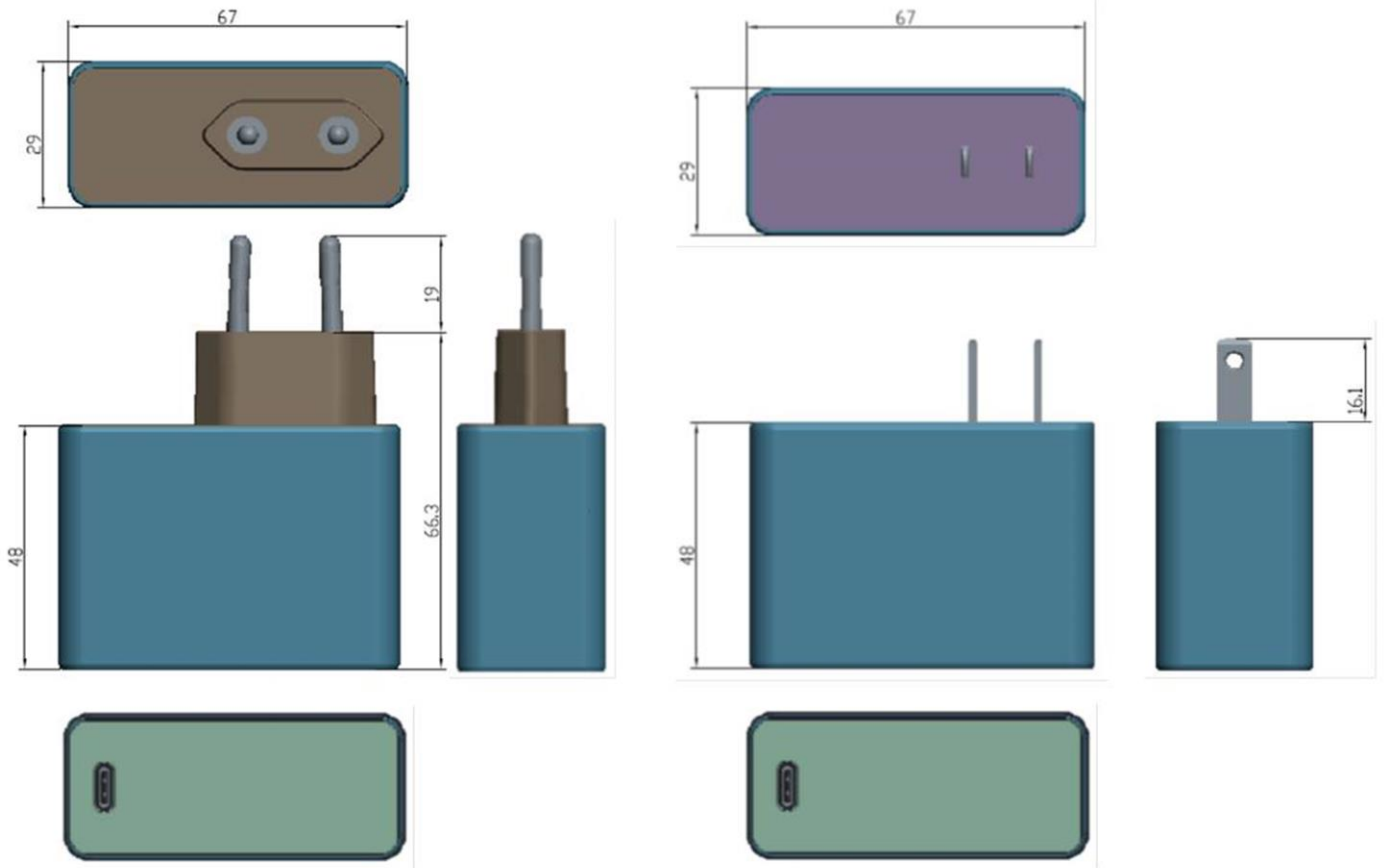
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## Dimensions: mm



### Model Selections

Model Number	Plug Type	Case Color	Output Voltage (Vdc)	Output Current (A ±5%)	Max. Output Power (W)
AQ45A-59FA-H	US	Black	5/9/15	3/3/3	45
AQ45E-59FA-H	US	Black	5/9/15	3/3/3	45

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